

AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior listings and versions:

1. (original): A system for monitoring the use of a display by a user, the system comprising: a display used by the user for performance of a task; and a first sensor positioned relative to the display and selected from the group consisting of a distance sensor and a light sensor.
2. (original): The system of claim 1, further comprising a communication link between the system and a computer system accessible using a hypertext protocol.
3. (original): The system of claim 1, wherein the display is selected from the group consisting of a CRT monitor, an LCD monitor and a flat panel.
4. (original): The system of claim 3, wherein the first sensor is incorporated into a bezel of the display or structure supporting the display.
5. (original): The system of claim 1, further comprising at least three light sensors positioned to determine a source of multidirectional light relative to the user.
6. (original): The system of claim 1, wherein the first sensor includes an incorporated camera or an incorporated imaging sensor.
7. (original): The system of claim 6, wherein incorporated camera or an incorporated imaging sensor is capable of monitoring blink rate.
8. (original): The system of claim 1, further comprising a computer for processing inputs from the first sensor.
9. (original): The system of claim 1, further comprising a cable coupling the first sensor to the system.
10. (original): The system of claim 1, wherein the first sensor is positioned to monitor the display.
11. (original): The system of claim 1, wherein the first sensor is positioned on top of the display.
12. (original): The system of claim 1, further comprising a remote input device.
13. (original): The system of claim 1, wherein the first sensor is a distance sensor.

14. (original): The system of claim 1, wherein the first sensor is a light sensor.

15. (currently amended): A method for determining a viewing distance, wherein the viewing distance relates to a distance between a user and a display, using a distance sensor positioned in a known position relative to the display, comprising the steps of: positioning the user in front of the display in order to perform a task using the display; allowing the distance sensor to measure a viewing distance between the distance sensor and the user; and automatically receiving an analysis of the measurement, wherein the analysis of the measurement comprises a notice when user is not at a proper viewing distance.

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16. (currently amended): A method for determining a viewing distance, wherein the viewing distance relates to a distance between a user and a display, using a distance sensor positioned in a known position relative to the display, comprising the steps of: positioning the user in front of the display in order to perform a task using the display; allowing the distance sensor to measure a viewing distance between the distance sensor and the user; receiving an automatic analysis of the measurement; and using a light sensor to measure ambient light in an environment of the user, wherein the automatic analysis of the measurement comprises a notification when user is not at a proper viewing distance.

17. (currently amended): A method for determining a view distance, wherein the viewing distance relates to a distance between a user and a display, using a distance sensor positioned in a known position relative to the display, comprising the steps of: providing a distance sensor to measure a viewing distance between the distance sensor and the user while the user performs a task using the display; providing a software program that accepts input from the distance sensor of a measured distance; and providing a software program that is capable of automatically notifying the user of the measured distance or automatically notifying user when user is not at a proper viewing distance.

18. (currently amended): A method for determining a light setting for a user using a display for performance of a task using a light sensor positioned in a known position relative to the display, the method comprising: positioning the user in front of the display in order to perform a task using the display; allowing the light sensor to measure ambient light in the ~~and~~ environment of the user; and receiving an analysis of the light measurement.

19. (original): The method of claim 18, wherein the method further comprises suggesting a change in light amount in the environment.

20. (original): A method for determining a recommended viewing distance for a user using a display, the method comprising: presenting a test pattern on the display; positioning the user in front of the display; displaying a query on the display; accepting a response to the query; and displaying a suggestion regarding recommended viewing distance.

21. (currently amended): A method for testing a user's vision using a display, the method comprising: positioning the user in front of the display in order to perform a task using the display; displaying a test pattern on the display for testing vision according to a test selected from the group consisting of an acuity test, a color test, and a test for amplitude of accommodation and a test for visual field defect; selecting a test result; and receiving an analysis of the test result, wherein the acuity test comprises showing a first position of "C" on the display, allowing the user to provide input into the system upon detection of the first position of "C," providing rotation of "C" randomly to generate a second position of "C," allowing the user to provide input into the system upon detection of the second position of "C".

22. (currently amended): A system for monitoring the use of a display by a user, the system comprising: a display used by the user for performance of a task; and a first sensor positioned close to the display and selected from the group consisting of a distance sensor and a light sensor; a second sensor distinct from the first sensor, and a means for automatically notifying user when user is not at a proper viewing distance.

23. (original): The system of claim 22, wherein the second sensor is selected from the group consisting of a distance sensor, a noise sensor, a temperature sensor, a humidity sensor and a light sensor.

24. (original): The system of claim 22, wherein the second sensor is incorporated into the first sensor.

25. (original): The system of claim 22, wherein the first sensor is a distance sensor and the second sensor is a light sensor.

26. (currently amended): A system for monitoring the use of a display by a user using the display for performance of a task, the system comprising: a display; a first sensor positioned close to the display and selected from the group consisting of a distance sensor and a light sensor; a second sensor distinct from the first sensor, wherein if the first sensor is a distance sensor, the second sensor is a light sensor or if the first sensor is a light sensor, the first sensor is a distance

sensor; and a third sensor distinct from the first sensor and ~~distinct from~~ the second sensor, and is other than a distance sensor or a light sensor.

27. (currently amended): A system for monitoring the use of a display by a user using the display for performance of a task, the system comprising: a display; a first sensor positioned close to the display; and three light sensors positioned to determine a source of ambient multidirectional light relative to the user.

28. (currently amended): A system for monitoring the use of a display by a user using the display for performance of a task, the system comprising: a display; a first sensor positioned close to the display and selected from the group consisting of a distance sensor and a light sensor; a software program for processing inputs from the first sensor, and a means for automatically notifying user when user is not at a proper viewing distance.

29. (original): The system of claim 28, wherein the first sensor is a distance sensor and the software program includes program instructions for determining a user's viewing distance from an output of the distance sensor.

30. (original): The system of claim 28, wherein the software program includes program instructions for accepting sensor inputs representing distance and light measurements over time.

31. (original): The system of claim 28, wherein the software program includes program instructions for accepting inputs from one input source selected from the group consisting of a sensor, a user, a mouse and a keyboard.

32. (original): A system for monitoring the use of a display by a user using the display for performance of a task, the system comprising: a display; a first sensor positioned close to the display and selected from the group consisting of a distance sensor and a light sensor; and a software program for processing inputs from the first sensor and for displaying a test pattern on the display.

33. (original): The system of claim 32, wherein the test pattern is a test pattern usable for at least one test selected from the group consisting of a visual acuity test, a visual field test, an amplitude of accommodation test, and a color sensitivity test.

34. (original): A system for monitoring the use of a display by a user using the display for performance of a task, the system comprising: a display; a first sensor positioned close to the display and selected from the group consisting of a distance sensor and a light sensor; a second sensor distinct from the first sensor; and a software program for processing inputs from the first sensor and for displaying a test pattern on the display.

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35. (currently amended): A system for monitoring the use of a display by a user using the display for performance of a task, the system comprising a display; a first sensor positioned close to the display and selected from the group consisting of a distance sensor and a light sensor; a second sensor distinct from the first sensor, wherein if the first sensor is a distance sensor, the second sensor is a light sensor or if the first sensor is a light sensor, the second sensor is a distance sensor; a third sensor distinct from the first sensor and ~~distinct from~~ the second sensor, and is other than a distance sensor or a light sensor; and a software program for processing inputs from at least the first sensor and for displaying a test pattern on the display.

36. (new): A method of reducing eye and muscle strain of a user of a display comprising the steps of:

- (a) positioning a user in front of a display for performance of a task;
- (b) providing a distance sensor for measuring viewing distance; and
- (c) providing a mechanical apparatus, wherein the mechanical apparatus is capable of moving the display towards or away from user or moving the display up or down.

37. (new): The method of claim 36, wherein the mechanical apparatus is capable of moving automatically to adjust for accommodative and visual changes of the user.
